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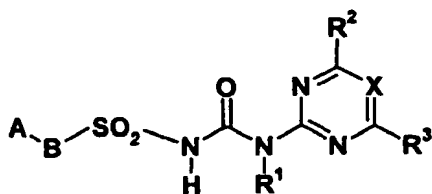
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HERBICIDAL MIXTURES



(II)

(57) Abstract: A synergistic herbicidal mixture comprising A) picolinafen; or one of its environmentally compatible salts; and B) a synergistically effective amount of at least a sulfonylurea of formula II, wherein the variables A, B, X and R¹ to R³ have the meanings given in the specification; and, if desired, C) at least a safener. Compositions comprising these mixtures, processes for the preparation of these compositions and their use for controlling undesired plants.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/002632

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A01N43/40 A01N47/36
 //(A01N47/36,43:40)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2004/017737 A (KOTZIAN GEORG RUEDIGER ; SYNGENTA PARTICIPATIONS AG (CH)) 4 March 2004 (2004-03-04)	1,2,7-21
P,A	page 1, paragraph 1 - page 2, paragraph 2 page 3, line 15	3-6
P,X	WO 03/073854 A (BIERINGER HERMANN ; HUFF HANS PHILIPP (DE); HACKER ERWIN (DE); BAYER C) 12 September 2003 (2003-09-12)	1,2,7-21
P,A	page 1, line 1 - page 4, line 22	3-6
P,X	WO 03/073855 A (BIERINGER HERMANN ; HUFF HANS PHILIPP (DE); HACKER ERWIN (DE); BAYER C) 12 September 2003 (2003-09-12)	1,2,7-21
P,A	page 1, line 1 - page 4, line 15	3-6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *&* document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X P,A	DE 102 45 222 A (SYNGENTA PARTICIPATIONS AG BAS) 17 April 2003 (2003-04-17) paragraphs '0001! - '0003!, '0005! - '0007! claims 1-4	1,2,7-21 3-6
X A	WO 03/015520 A (BIERINGER HERMANN ; HUFF HANS PHILIPP (DE); HACKER ERWIN (DE); BAYER C) 27 February 2003 (2003-02-27) page 2, paragraph 4 - page 3, paragraph 1 page 4, lines 16-20 page 8, paragraphs 2,3 page 9, paragraph 2 page 10, paragraph 4 - page 14, paragraph 1 page 15, paragraph 3 - page 24, paragraph 3 examples 2,3 claims 1-9	1,2,7-21 3-6
P,A	WO 03/024227 A (KOTZIAN GEORG RUEDIGER ; SYNGENTA PARTICIPATIONS AG (CH)) 27 March 2003 (2003-03-27) claims 1-3	1-21

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/002632

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 7-11, 13-21 (in part); 2 and 12 (complete)

A synergistic herbicidal mixture comprising A) picolinafen and B) a synergistically effective amount of a least a sulfonylurea of formula II wherein A is A1;
a herbicidal composition comprising a herbicidally effective amount of said synergistic herbicidal mixture, at least one liquid and/or solid carrier and, if desired, at least one surfactant;
a process for the preparation of said herbicidal composition; a method for controlling undesired vegetation comprising applying said synergistic herbicidal mixture.

2. claims: 1, 7-11, 13-21 (in part); 3-6 (complete)

A synergistic herbicidal mixture comprising A) picolinafen and B) a synergistically effective amount of a least a sulfonylurea of formula II wherein A is A2, A3, A4 or A5;
a herbicidal composition comprising a herbicidally effective amount of said synergistic herbicidal mixture, at least one liquid and/or solid carrier and, if desired, at least one surfactant;
a process for the preparation of said herbicidal composition; a method for controlling undesired vegetation comprising applying said synergistic herbicidal mixture.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/002632

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